Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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FLIR

Imaging Moisture Meter

The FLIR MR160 Imaging Moisture Meter is the *first of its kind*. Equipped with a built-in thermal camera, MR160 is the *only* moisture meter with the power to show you exactly where to measure.

Featuring **Infrared Guided Measurement (IGM™)** technology, the MR160 helps you quickly scan and target moisture issues, visually guiding you to the spot where you can confidently take measurements and analyze readings.

An integrated pinless sensor and an external pin probe provide the flexibility to take either intrusive or non-intrusive measurements. Built tough with an industry-leading warranty, the MR160 can serve as your go-to troubleshooting tool right out of the box – or as the perfect complement to any high resolution thermal camera you already own – helping you find hidden moisture issues and capture reliable data more efficiently.

IDENTIFY AND VERIFY WITH ONE TOOL.
First-ever thermal imaging moisture meter

• 80 x 60 Lepton® thermal imager powers IGM technology

• Document thermal images and moisture readings on one screen

• Review images and generate reports with free FLIR Tools software
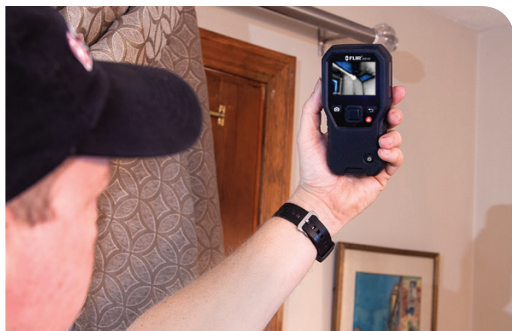
TROUBLESHOOT QUICKLY.
Easily investigate insulation and moisture issues

• Pinless technology for fast non-intrusive measurements

• External pin probe included for contact moisture measurements

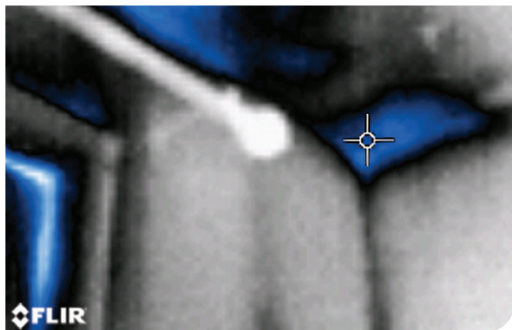• Easy targeting with laser pointer and display cross-hairs

PORTABLE, TOUGH AND DURABLE.
Drop tested rugged design

• Industry-leading warranty

• Small form factor to conveniently carry with you

• Internal rechargeable battery with USB

Scanning ceiling & wall joint for moisture issues

IGM technology shows you cold spots, guiding you where to measure

FLIR | The World's Sixth Sense™

Specifications

FLIR MR160: Imaging Moisture Meter	
Imaging detector	FLIR Lepton® microbolometer focal plane array
Shutter	Integrated automatic shutter for auto flat field correction
Thermal image resolution (W × H)	4800 pixels (80 × 60)
Spectral response	8–14µm
Field of view (W x H)	51° × 38°
Sensitivity	<150mK
Image update speed frequency	9 Hz
Thermal image palettes	Ice
Thermal image minimum focus distance	10cm (4")
Moisture Measurement	
Pin moisture via external probe range (accuracy)	0–100% WME (± 5%)
Pin moisture groups	9 material groups
Pinless moisture range	0–100 relative measurement
Pinless Measurement Depth	0.75" (19mm) Max
Measurement resolution	0.1
Response time pinless	100ms
Response time pin mode	750ms
General information	
Display (W x H)	QVGA (320 x 240 pixel) 2.3" 64k color TFT
Saved image file format	BMP with measurement values overlaid
Stored image capacity	9999 images
Laser orientation	Single laser pointer to center of thermal image
Power requirements	Integrated rechargable battery
Battery power - continuous run time	18 hours max
Battery power - typical usage	4 work weeks*
Battery	3.7 V, 3000 mAh Li-ion rechargeable via micro USB
Drop Test	9.8' (3m)
Certification standards	EN61326 (EMC), EN61010 (battery + charger), EN60825-1 class 2 (Laser)
Agency approvals	FCC class B, CE, UL
Warranty	2 Yr Product, 10 Yr Imager / Detector**

*See FAQs at flir.com/MR160
** Register within 60 days of purchase at www.flir.com/testwarranty

YEAR 2 FULL PRODUCT WARRANTY   YEAR 10 DETECTOR WARRANTY

Ordering Information	UPC	EAN
MR160	793950371602	0793950371602
MR05 Impact pin probe	793950370056	0793950370056
MR10 Protective case	793950370117	0793950370117
MR05-PINS1	793950371053	0793950371053
MR05-PINS2 (wide)	793950372050	0793950372050

Color Display
Laser
Back Button
Lepton® Thermal Imaging Sensor

Snap & Save Pictures
Laser
Power
Charging & Probe Connector
Pinless Sensor
Navigation Button

MR02 Pin Probe included

FLIR | The World's Sixth Sense™